Monday, 6/5/2006 7:48:22 AM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** : 27386

: 12369

P.O. Number

AIU:

This Issue Prsht Rev.

: 6/5/2006

: NC

First Issue : 26819

NIA

Type

S.O. No. : NIA

: LANDING GEAR

Previous Run Written By

Checked & Approved By

Comment

: Est Rev:A New Issue 06-04-19 JLM

Drawing Name

: ARMOR SHIELD

Part Number

: D412664203A

Drawing Number

DSI9326

Project Number Drawing Revision : N/A

Material

: NIA

Due Date

MADE IN CANADA

: 7/10/2006

D412-664-203

B27082

MODEL Bell 412

Crosstube Aft High

Qty:

CHG

STC

CHG003

STC SR01298NY

06-27

STC SH01-9

Each 1 Um:

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

DC 1.0



DOCUMENT CONTROL

DESC.

LOT



Comment: Photocopy bluefile & type labels per PPPD412-664-203A CHG001

Add DSI 9326 to existing paper work.

Crosstube Aft High



Comment: Qtv.:

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Fwd Crosstube Batch: **B27082**

3.0

2.0

HAND FINISHING

D412664203





Comment: HAND FINISHING RESOURCE #1 1-Remove tube from packaging

2-Apply Armor sheild as per DSI 9326

Batch: M101241 A/R Armor Sheild

06 09 12



4.0

QC14

Inspect Spray Paint



5.0

PACKAGING 1

Comment: Inspect Spray Paint

PACKAGING RESOURCE #1





Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-664-203A

Location: PPP Rev:

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		STEP Description of NC Section A	Corrective Action Section B			Verification	A	A		
DATE	STEP		Initial Design Mgr	Action Description Design Mgr	Sign & Date	Section C	Approval Design Mgr	Approval QC Inspector		
						:				
	-			•						

Part No:	PAR #:	Fault Category:	NCR:	Yes No DQA:	Date: <u>06/09/13</u>
NOTE: Date & initial all entries				QA: N/C Closed:	Date:

Date: User: Monday, 6/5/2006 7:48:23 AM

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: ARMOR SHIELD

Job Number: 27386

Part Number: D412664203A

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

Job Completion



De 06/09/13

Dart Aerospace Ltd

W/O:			WOF	RK ORDER CHANGES				
DATE	STEP	PR	OCEDURE CHAN	GE	Ву	Date Qty	Approval Mfg / Design Mgr	Approval QC Inspector
NCR:	T			R NON-CONFORMANO	CE (NCR)			
DATE	STEP	Description of NC Section A	Initial Design Mgr	Corrective Action Section B Action Description Design Mgr	Sign & Date	- Verification Section C	Approval Design Mgr	Approval QC Inspector
	. •							
Part No):	PAR #:	Fault Category:					
NOTE: D	ate & initia	al all entries		G	A: N/C Clo	sed:	Date:	



DESIG	PH	1	DRAWN BY		AEROSPACE LTD ESBURY, ONTARIO, CANADA	
CHECK	(ED	Γ	APPROVED _	DRAWING NO.		REV. A
	د لا		#	DSI 9326	SHEET	1 OF 1
DATE		U		TITLE		SCALE
06.0	2.14			ARMOR SHIELD)	NTS
Α			06.02.14	NEW ISSUE		

DART SERVICE INSTRUCTION

To further protect Dart crosstubes from mechanical damage in service, they may be treated with "Armor Shield" surface treatment.

INSTALLATION	CANADIAN STC	FAA STC
D205-596-101/-103/-105/-107	SH03-6	SR01742NY
D212-664-101/-201 D412-664-203	SH01-9	SR01298NY
D206-667-101/-103/-201/-203 D407-667-105/-205	SH01-5	SR01304NY
D058-676-101/-201	N/A	SR01018SE

To designate crosstubes with 'Armor Shield' add 'A" to the Part Number. For example, D206-667-101A is a D206-667-101 crosstube coated with Armor Shield. It is acceptable to apply the Armor Shield in regions shown in Figure 1 only. It is **NOT** acceptable to apply Armor Shield in the cuff and support/clamp regions.

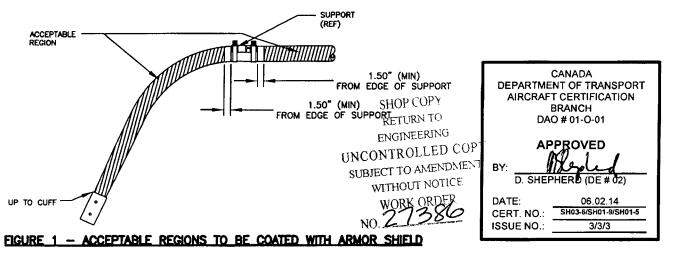
1.0 To apply Armor Shield

- Ensure the crosstube is appropriately finished in accordance with the relevant manufacturing drawing or Instruction for Continued Airworthiness (ICA).
- Mask areas around supports and cuffs per Figure 1. Abrade paint finish in areas requiring protection using 320 grit sandpaper.
- Clean/degrease surface of crosstube using Methyl Ethyl Ketone (MEK), 4105S
 Wash'n'Wipe Degreaser, or equivalent and wipe the surface to clean the entire area
 - Wash'n'Wipe Degreaser, or equivalent and wipe the surface to clean the entire area Apply 3 coats of Proform PF 746 or PF 746-1 to surface
- Apply 3 coats of Proform PF 746 or PF 746-1 to surface (apply additional coats when surface is dry, but not fully cured)
- 5) Allow 5 hours for coating to dry.
- 6) Apply 2 coats of Imron 500s Polyurethane Enamel clear + Dupont Imron Polyurethane Enamel Activator 192S (mix 3:1). Mix 15 minutes prior to application and allow 15 minutes before applying additional coats.

2.0 Armor Shield removal/re-application

To remove the Armor Shield coating or if damage to the coating and/or crosstube is observed during inspection.

- Remove Armor Shield from the affected area using 80 grit sandpaper. To remove Armor Shield from larger areas, bead blasting has been determined to be the most effective technique.
- Repair mechanical damage (within limits) to the crosstube and touch up finish in accordance with the relevant ICA.
- 3) Apply Armor Shield in accordance with Section 1.0 of these instructions.



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